

DESCRIPTION

The Guadalupe River is surrounded by dense urban development, and passes through the heart of the City of San Jose. This river supports an important anadromous fishery, and is used for recharge of public water supply aquifers. The lower river reach flows into the former Cargil Salt Ponds, which are in the process of wetland restoration.

The river receives Nonpoint Source (NPS) inputs from surface erosion within the upper watershed, and from urban drainage within the lower valley. High levels of mercury in the river impact fish populations.



Guadalupe River

(Photo courtesy John Brazil, Silicon Valley Bicycle Coalition)

<http://www.svbcbikes.org/crank/june-july-05/san-jose.php>

REASON FOR CCA IDENTIFICATION

Guadalupe River is a 2002 303(d)-listed **impaired waterbody that is adjacent to a Wildlife Refuge** (the Don Edwards San Francisco Bay National Wildlife Refuge).

POLLUTED RUNOFF CONDITIONS

	Top 5 Runoff Pollutants of Concern					Efforts to Address Pollutants (See next page)
	<u>2002 303(d) Listed Pollutants</u> TMDL Priority (& Proposed Completion if available)	<u>Other Pollutants of Concern</u>				
Selected Coastal Waterbodies	<u>Diazinon</u>	<u>Mercury</u>	?	?	?	
Guadalupe River ▲	▲ High (2004)	▲ Medium				a, b, c, d, e, f
Guadalupe Creek ■		[■] ¹				a, b, c, d, e, f
Alamitos Creek ●		[●] ¹				a, b, c, d, e, f
Potential Sources of Pollutants in Coastal Waterbodies						
Agriculture						
Forestry (Silviculture)						
Urban Areas						
➤ Urban Runoff/ Storm Sewers	▲					a, b, c, d, e, f, g, h
➤ Construction		[▲] ² [■●] ¹				a, b, c, d, e, f
➤ Land Development		[▲] ² [■●] ¹				a, b, c, d, e, f

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Potential Sources of Pollutants, continued	<u>Diazinon</u>	<u>Mercury</u>	?	?	?	Efforts to Address Pollutants
Marinas & Boating						
Hydromodification						
Wetlands & Riparian Areas						i
Resource Extraction						
➤ Mine Tailings		▲ [■●] ¹				
➤ Quarries		[▲] ² [■●] ¹				a, b, c, d, e, f, g

¹ The 2002 303(d) list does not list Guadalupe Creek and Alamitos Creek as impaired by mercury. Information on mercury as a pollutant of concern in Guadalupe Creek and Alamitos Creek is from the San Francisco Bay Regional Water Quality Control Board.

² Information on construction, land development, and quarries as potential sources of mercury in the Guadalupe River is from the San Francisco Bay Regional Water Quality Control Board. The 2002 303(d) list does not list these potential sources of mercury for this waterbody.

MAJOR EFFORTS TO IMPLEMENT NPS MANAGEMENT MEASURES

a)	Santa Clara Basin Watershed Management Initiative			http://www.scbwmi.org/
		Ken Davies	(408) 277-3519	ken.davies@sanjoseca.gov
➤ Collaborative effort to identify issues and improve watersheds in Santa Clara Basin				
b)	Santa Clara Valley Urban Runoff Pollution Prevention Program			http://www.scvurppp.org/
		Jill Bicknell	(800) 794-2482	jcbicknell@eoainc.com
➤ Santa Clara cities and county organization to reduce stormwater pollutants				
c)	Bay Area Stormwater Management Agencies Association			http://www.basmaa.org
		Geoff Brosseau	(650) 365-8620	info@basmaa.org
➤ Consortium of eight San Francisco Bay Area municipal storm water programs, in an effort to promote regional consistency and to facilitate efficient use of public resources to reduce stormwater pollution.				
d)	Watershed Stewardship Planning			www.scvwd.org
Santa Clara Valley Water District		Sara Young	(408) 265-2600	sy@valleywater.org
➤ Effort to develop and implement watershed assessments in Santa Clara Basin.				
e)	Guadalupe Mercury Total Maximum Daily Load (TMDL)			http://www.waterboards.ca.gov/sanfranciscobay/
San Francisco Bay Regional Water Quality Control Board		Carrie Austin	(510) 622-1015	caustin@waterboards.ca.gov
➤ Develop and implement total maximum daily load allocations for mercury in Guadalupe River.				
f)	San Francisco Bay Mercury Total Maximum Daily Load (TMDL)			http://www.waterboards.ca.gov/sanfranciscobay/
San Francisco Bay Regional Water Quality Control Board		Richard Looker	(510) 622-2451	rlooker@waterboards.ca.gov
➤ Develop and implement total maximum daily load allocations for mercury in San Francisco Bay.				
g)	Mercury Load Reduction in Guadalupe River			http://www.valleywater.org/
Santa Clara Valley Water District			(408) 265-2600	pio@valleywater.org

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➤ Primary water resources agency for Santa Clara County, California, acts as the county's water wholesaler, and also as its flood protection agency and steward for streams and creeks, underground aquifers and district-built reservoirs.			
h)	Regional Stormwater Monitoring and Urban BMP Evaluation: A Stakeholder-Driven Partnership to Reduce Contaminant Loadings	http://www.sfei.org/	
San Francisco Estuary Institute		(510) 746-7334	webfeedback@sfei.org
➤ This project aims to improve our understanding of effectiveness of storm-water management, and helps prioritize implementation of further efforts to improve water quality.			
i)	Wetland Design and Management Options for Control of Mercury in San Francisco Bay	http://www.abag.ca.gov/	
Association of Bay Area Governments		(510) 464-7900	webmaster@abag.ca.gov
➤ Project to identify specific, practical measures to substantially reduce methylation of mercury in the Bay and to produce a Wetland Implementation Report as element in the Implementation Plan for the Bay mercury TMDL Plan.			

REGULATORY/PLANNING JURISDICTIONS

➤ City of San Jose, Dept of Planning, Building & Code Enforcement	http://www.ci.san-jose.ca.us/planning/sj-plan/services.htm	Akoni Danielsen	(408) 277-8535	Akoni.danielsen@sanjoseca.gov
➤ City of Santa Clara, Planning Division	http://cho.ci.santa-clara.ca.us/3021.html	Art Henriques	(408) 615-2450	Planning@ci.santa-clara.ca.us
➤ Santa Clara Valley Urban Runoff Pollution Prevention Program	http://www.scvurppp-w2k.com/default.htm	Jill Bicknell	(800) 794-2482	jcbicknell@eoainc.com
➤ Santa Clara County, Planning Dept.	http://www.sccplanning.org/planning/	Michael Lopez	(408) 299-5772	Michael.Lopez@pln.sccgov
➤ San Francisco Bay Conservation and Development Commission	http://www.bcdc.ca.gov	Lindy Lowe	(415) 352-3642	lindyl@bcde.ca.gov
➤ Calif. Coastal Commission, Water Quality Unit	http://www.coastal.ca.gov/nps/npsndx.html	Lisa Sniderman	(415) 904-5270	lsniderman@coastal.ca.gov
➤ San Francisco Bay Regional Water Quality Control Board	http://www.waterboards.ca.gov/sanfranciscobay/	Dale Bowyer	(510) 622-2323	dbowyer@waterboards.ca.gov
➤ State Water Resources Control Board	http://www.waterboards.ca.gov/	Heidi Hall	(916) 323-2871	hhall@waterboards.ca.gov
➤ California Coastal Conservancy	http://www.coastalconservancy.ca.gov/	Nadine Hitchcock	(510) 286-4176	nhitchcock@scc.ca.gov
➤ Calif. Dept. of Fish & Game, Region 3	http://www.dfg.ca.gov/	Gail Seymour	(707) 944-5500	gseymour@dfg.ca.gov